

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A susceptor device comprising:

a ceramic base body having a first main surface which serves for mounting a plate sample thereon; and a second main surface;

an inner electrode which is disposed on the second main surface of the ceramic base body;

an electricity supplying terminal which is connected to the inner electrode electrically;

an insulating sprayed layer, formed by a sprayed ceramic, which covers the inner electrode, a connecting section of the inner electrode and the electricity supplying terminal; the insulating sprayed layer having a thickness in a range of 20 μm to 500 μm ;

a temperature controlling section which is disposed beneath the insulating sprayed layer and has flow paths inside of the temperature controlling section for circulating a medium for controlling the temperature of the medium,

a convex fitting section disposed on a peripheral section on either one of the ceramic base body or the temperature controlling section; and

a concave fitting section disposed on a peripheral section of the ceramic base body or the temperature controlling section so that the convex fitting section and the concave fitting section engage together, and the insulating sprayed layer and the bonding agent layer are sealed from the outside, wherein

the insulating sprayed layer and the temperature controlling section are attached via a bonding agent layer;

the ceramic base body and the temperature controlling section are formed unitarily.

2. (Canceled)

3. (Previously Presented) A susceptor device according to Claim 1 wherein the thickness of the inner electrode is in a range of 5 μm to 200 μm .

4. (Canceled)

5. (Previously Presented) A susceptor device according to Claim 1, wherein the sprayed ceramic is formed by a plasma-jet spray method.

6. (Previously Presented) A susceptor device according to Claim 1, wherein the insulating sprayed layer is formed of one material selected from the group consisting of alumina, silicon dioxide, silicon nitride, and silicon carbide.

7. (New) The susceptor device of claim 1, wherein the first main surface of the ceramic base body is seamless.

8. (New) A susceptor device comprising:

a ceramic base body having a first main surface which serves for mounting a plate sample thereon, the first main surface being seamless, and a second main surface;

an inner electrode which is disposed on the second main surface of the ceramic base body;

an electricity supplying terminal which is connected to the inner electrode electrically;

an insulating sprayed layer, formed by a sprayed ceramic, which covers the inner electrode, a connecting section of the inner electrode and the electricity supplying terminal; the insulating sprayed layer having a thickness in a range of 20 μm to 500 μm ;

a temperature controlling section which is disposed beneath the insulating sprayed layer and has flow paths inside of the temperature controlling section for circulating a medium for controlling the temperature of the medium,

a convex fitting section disposed on a peripheral section on either one of the ceramic base body or the temperature controlling section; and

a concave fitting section disposed on a peripheral section of the ceramic base body or the temperature controlling section so that the convex fitting section and the concave fitting section engage together, and the insulating sprayed layer and the bonding agent layer are sealed from the outside, wherein

the insulating sprayed layer and the temperature controlling section are attached via a bonding agent layer;

the ceramic base body and the temperature controlling section are formed unitarily.